| •••• | dex of C |  |
|------|----------|--|
|      |          |  |

| Application/Control No. |
|-------------------------|
|-------------------------|

10/708,572 Examiner

Carol S. Tsai

Date

Applicant(s)/Patent under Reexamination

TAI ET AL.

Art Unit

2857

| √ | Rejected |
|---|----------|
| _ | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   | Restricted                     |

Claim

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| o | Objected |

|                            |                | ш                |  | -  |          |  |          | 1            |          |                 |  |  |
|----------------------------|----------------|------------------|--|--|----------|--|----------|--------------|----------|-----------------|--|--|
| Cla                        | im             | Date             |  |  |          |  |          |              |          |                 |  |  |
|                            | Original       | 7                |  |  | _        | Jack   |          |              |          | $\dashv$        |  |  |
| l _ l                      | ō              | 5                |  |  |          |  |          |              |          |                 |  |  |
| Final                      | 븚              | Z                |  |  |          |  |          |              |          | 1               |  |  |
| Œ                          | Ĕ              | M                |  |  |          |  |          |              |          | 1               |  |  |
|                            | U              | <b>W</b>         |  |  |          |  |          |              |          |                 |  |  |
| <b> </b>                   | 1              | =                | _  |  |          | _  |          |              | -        |                 |  |  |
| 1                          |                | -                |  |  |          |  | _        |              |          | H               |  |  |
| -                          | 2              | Н                |  | H  |          | _  | _        | _            |          | Н               |  |  |
| 3                          | 3              | Н                |  | $\vdash$                                     |          |  | _        | _            |          |                 |  |  |
| 1                          | 4              | Ш                |  |  |          | Ш  |          | _            |          | Щ               |  |  |
| 5                          | 5              | Ш                |  |  |          |  |          |              |          | Ш               |  |  |
| +                          | 6              |                  |  |  |          |  |          |              |          |                 |  |  |
| 7                          | 7              |                  |  |  |          |  |          |              |          |                 |  |  |
| P                          | 8              | 17               |  |  |          |  |          |              |          |                 |  |  |
| a                          | q              | 1                |  | -  | _        |  |          |              |          | Н               |  |  |
| 1                          | 10             | $\vdash$         |  | $\vdash$                                     |          | -  | -        |              |          | H               |  |  |
| 10                         | 14             |                  | -  | ⊢  |          | $\vdash$   |          | -            |          | $\vdash \vdash$ |  |  |
|                            | 11             | -                | <u> </u>   | -  |          | -  | $\vdash$ |              | -        |                 |  |  |
| 12                         | 12             | 1                | _  | _  |          | $\vdash$   |          | <u> </u>     | <u> </u> | $\vdash \vdash$ |  |  |
| 13                         | 13             |                  |  | <u> </u>                                     |          |  |          |              |          | Ш               |  |  |
| 14                         | 14             |                  | L  |  | <u> </u> |  |          |              |          |                 |  |  |
| 15                         | 15             | $\Pi$            |  |  |          |  |          |              |          |                 |  |  |
| 16                         | 16             | П                |  | $\sqcap$                                     |          |  |          |              |          |                 |  |  |
| 1                          | 17             | П                |  |  | _        | <b></b> -  |          | l            |          | М               |  |  |
| 1 345 67 80 9112 325 612 8 | 18             | =                | -  | -  | -        | $\vdash$   | H        |              | $\vdash$ | H               |  |  |
| 10                         | 10             | =                |  |  | -        | -  |          |              |          | $\vdash$        |  |  |
| <b>├</b>                   | 19             | <u> </u>         |  |  |          |  | <u> </u> |              | <u> </u> |                 |  |  |
| <u> </u>                   | 20             | $ldsymbol{oxed}$ | L.   |  | _        |  | _        |              |          |                 |  |  |
|                            | 21             |                  |  | <u> </u>                                     |          |  |          |              |          |                 |  |  |
|                            | 22             |                  |  |  |          |  |          |              | L.,      |                 |  |  |
|                            | 23             |                  |  |  |          |  |          |              | Г        |                 |  |  |
|                            | 24             |                  |  |  |          |  |          |              |          |                 |  |  |
|                            | 25             |                  |  |  | Г        | _  | _        | $\vdash$     |          |                 |  |  |
| <u> </u>                   | 26             |                  |  | $\vdash$                                     | _        |  | -        | $\vdash$     | -        | $\vdash$        |  |  |
| $\vdash$                   | 27             |                  |  | _  | _        |  | -        | <del> </del> | -        | H               |  |  |
| <u> </u>                   | 21             |                  |  | <u>.                                    </u> | <u> </u> |  | _        | _            | -        | Н               |  |  |
| <u> </u>                   | 27<br>28<br>29 |                  |  | ╙  |          |  | _        | _            | _        |                 |  |  |
|                            | 29             |                  |  | L  |          | L_   |          |              | <u>_</u> | Ш               |  |  |
|                            | 30             | l                |  | l _  |          |  |          |              |          |                 |  |  |
|                            | 31             |                  |  |  |          |  |          |              |          |                 |  |  |
|                            | 32             |                  |  | 1  |          |  |          |              |          | П               |  |  |
|                            | 32<br>33       | 1                | $\vdash$   | T  |          |  |          |              | $\vdash$ | Н               |  |  |
|                            | 34             |                  |  | +-   |          | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash \vdash$ |  |  |
| -                          | 25             | -                | $\vdash$   | $\vdash$                                     | ⊨        | $\vdash$   | $\vdash$ | -            | -        | $\vdash$        |  |  |
| <b></b>                    | 35<br>36       | -                | $\vdash$   | $\vdash$                                     | <u> </u> | <u> </u>   | $\vdash$ | $\vdash$     | <u> </u> | $\vdash$        |  |  |
| L                          | 36             | Ľ.               | _  | <u> </u>                                     | <u> </u> | <u> </u>   | <u> </u> | <u> </u>     | _        | -               |  |  |
|                            | 37             |                  | $ldsymbol{ld}}}}}}$ |  | <u>L</u> | L  |          |              | _        |                 |  |  |
|                            | 38             |                  |  | L  | L        | L  |          |              |          |                 |  |  |
|                            | 39             |                  |  |  |          | I  |          |              |          | П               |  |  |
|                            | 40             | $\Box$           | Ι  | 1  |          |  |          |              |          | П               |  |  |
|                            | 41             | $\vdash$         | <del></del>  | T  | $\vdash$ |  | $\vdash$ | $\vdash$     | $\vdash$ | Н               |  |  |
| <u> </u>                   |                | $\vdash$         | $\vdash$   | $\vdash$                                     | $\vdash$ |  | $\vdash$ | $\vdash$     | $\vdash$ | Н               |  |  |
| <b> </b>                   | 42             | ⊢                | $\vdash$   | -  | $\vdash$ | -  |          | -            |          |                 |  |  |
| <u> </u>                   | 43             | <u> </u>         |  | _  | <b> </b> | <u> </u>   | <u> </u> | ļ            | <u> </u> | Ш               |  |  |
| L                          | 44             | _                |  | <u></u>                                      |          | <u> </u>   | _        | <u> </u>     | <u> </u> | Ш               |  |  |
| L                          | 45             |                  | L  | L  |          | L  | L        | L            |          |                 |  |  |
|                            | 46             |                  |  |  |          |  |          | [ <u> </u>   |          |                 |  |  |
|                            | 47             |                  |  |  |          | T  | Γ        |              | Г        | П               |  |  |
|                            | 48             | Н                |  |  | Т        | <del>                                     </del> | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$        |  |  |
|                            |                | $\vdash$         | -  | <u> </u>                                     | -        | $\vdash$   | -        | ├-           | -        | ┥               |  |  |
| ⊢                          | 49             | ├                | -  | <del> </del> —                               |          | $\vdash$   | -        | <del> </del> | -        | -               |  |  |
| 1                          | (50)           | 1                |  |  | ı        |  | 1        |              | 1        | ı l             |  |  |

| Cia               | 1111                  |  |  |  | <u> </u>   | Jau      | <del>-</del>                                       |  |  |                |     | Cla       | -        |  |              |  |          | Jak  | _  |              |  |          |
|-------------------|-----------------------|--|--|--|--|----------|--|--|--|----------------|-----|-----------|----------|--|--------------|--|----------|--|--|--------------|--|----------|
| Final             | Original              | 1.5/2/21   |  |  |  |          |  |  |  |                |     | Final     | Original |  |              |  |          |  |  |              |  |          |
| /                 | 1                     | =  |  |  |  |          |  |  |  |                |     |           | 51       |  | - [          |  |          |  |  | 1            |  | H        |
| /<br>2.           | 2                     |  |  |  | _  |          |  |  |  |                |     |           | 51<br>52 |  |              |  |          |  |  |              |  |          |
|                   | 1<br>2<br>3<br>4<br>5 | П  |  |  |  |          |  |  |  |                | li  |           | 53       |  |              |  |          |  |  |              |  | $\Box$   |
| 6                 | <u> </u>              | 1  |  |  |  |          |  | _  |  |                |     |           | 54       |  |              |  |          |  |  |              |  | $\neg$   |
|                   |                       | H  |  |  |  | H        | $\vdash$   | _  |  |                |     |           | 54<br>55 | Н  | =            |  | _        |  |  | _            |  |          |
| Z                 | <del></del> _         | 1  |  |  | $\vdash$   | $\vdash$ | $\vdash$   | _  | _  | _              |     |           | 56       | $\dashv$   | $\dashv$     |  | _        | _  | _  | _            | _  | $\vdash$ |
| 7                 | 6                     | +  |  |  |  | <u> </u> |  | _  | $\vdash$   |                |     |           | 50       |  | _            | _  | _        | _  |  |              |  | ┝┷┥      |
| Щ                 | 7                     | -  |  |  | _  | _        |  |  |  |                |     |           | 57<br>58 |  |              |  |          |  |  |              |  | ⊢⊢       |
| ,                 | 8                     | 1  |  |  | <u> </u>   | <u> </u> |  |  |  | _              |     |           | 58       |  |              |  |          | _  |  |              |  | $\sqcup$ |
| 4                 | 9                     |  |  |  |  | _        |  |  |  |                |     |           | 59       |  |              |  |          | _  |  |              |  | Ш        |
| Ó                 | 10                    |  |  |  |  | _        |  |  |  |                |     |           | 60       |  |              |  |          |  |  |              |  | Ш        |
| L                 | 11                    |  |  |  |  | ļ        |  |  |  |                |     |           | 61       |  |              |  |          |  |  |              |  | Ш        |
| ند                | 12                    | \\   |  |  |  |          |  |  |  |                |     |           | 62       |  |              |  |          |  |  |              |  | Ш        |
| 3                 | 13                    | П  |  |  |  |          |  |  |  |                | [   |           | 63       |  |              |  |          |  |  |              |  |          |
| 4                 | 14                    | $\Pi$  |  |  |  |          |  |  |  |                |     |           | 64       |  |              |  |          |  |  |              |  |          |
| 5                 | 15                    | π  |  | _  |  |          |  |  |  |                | 1   |           | 65       |  |              |  |          |  |  |              |  |          |
| 1676 TO-12 25 678 | 16                    |  |  |  | _  |          |  |  |  |                | 1   |           | 66       |  |              | -  |          |  |  |              | П  |          |
| 7                 | 17                    | 1  |  |  |  | _        |  |  |  |                | 1 1 |           | 67       |  |              |  |          |  |  |              | $\Box$   |          |
| 0                 | 18                    | =  |  | -  | -  | _        |  |  | $\vdash$   |                |     |           | 68       |  |              |  |          |  | $\vdash$   |              | Н  | $\sqcap$ |
| 0                 | 18<br>19              | _  |  |  | <del>                                     </del> | -        |  |  |  | $\vdash$       | li  |           | 69       | <del>                                     </del> |              |  |          |  | $\vdash$   | _            |  |          |
|                   | 20                    | ┢╌   |  |  | -  |          |  |  |  |                |     |           | 70       | $\vdash$   |              | H  |          | -  | -  | -            |  |          |
| _                 | 20                    | $\vdash$   | _  |  |  |          | $\vdash$   |  | -  |                |     |           | 71       | $\vdash$   | -            | $\vdash$   |          | <del> </del>                                     | ⊢  | -            |  |          |
| -                 | 27                    | -  | -  |  | -  |          | <del>                                     </del>   | ┢  | $\vdash$   | _              |     |           | 71<br>72 | $\vdash$   |              | $\vdash$   | —        | <del> </del> -                                   | ├  |              | Н  | Н        |
|                   | 21<br>22<br>23        |  | -  | -  | ┢  |          | $\vdash$   | <u> </u>   | ⊢  |                |     |           | 73       | $\vdash$   | _            | $\vdash$   | _        |  |  | -            | Н  | Н        |
| _                 | 23                    | -  |  |  | H  | _        | <u> </u>   | <u> </u>   |  | _              |     |           | 7.4      |  |              | -  |          |  | -  | $\vdash$     | H  | Н        |
| _                 | 24                    |  |  |  | <u> </u>   | <u> </u> | <del> </del>                                       | <u> </u>   | <u> </u> -                                       | -              |     |           | 74       | _  | _            |  |          | -  | <u> </u>   | _            | H  | Н        |
|                   | 25                    |  |  |  | ⊢  |          | -  | <u> </u>   | <u> </u>   | _              |     |           | 75       | -  |              |  |          | <u> </u>   | <u> </u>   | -            | H  | Н        |
|                   | 26                    | -  |  | -  | ┡  | <u> </u> | _  | <u> </u> -                                       | <u> </u>   | _              |     |           | 76       | _  | _            |  |          | <u> </u>   | _  | _            |  | Н        |
|                   | 27                    |  |  | <u> </u>   | Ŀ.   |          | _  | _  | _  | _              | ļ   |           | 77       | _  |              |  |          | <u> </u>   | _  | _            |  | Н        |
|                   | 28                    |  |  | _  | _  |          | _  | _  | <u> </u>   |                |     |           | 78       | _  |              |  |          | <u> </u>   | <u> </u>   | _            |  | Н        |
|                   | 29<br>30              |  | L  |  | <u> </u>   | L_       | _  | _  | _  |                |     |           | 79       |  |              |  | _        |  | ļ  | _            | <u>_</u>   | Ш        |
|                   | 30                    | <u> </u>   |  |  |  | L_       | <u> </u>   | _  |  |                |     |           | 80       |  |              |  |          |  |  |              |  | Ш        |
|                   | 31                    |  |  |  |  |          |  |  |  |                |     |           | 81       |  |              |  |          | _  |  |              |  | Ш        |
|                   | 32<br>33              |  |  |  |  |          |  |  |  |                |     |           | 82       |  |              |  |          |  |  |              |  |          |
|                   | 33                    |  |  |  |  |          |  |  |  |                |     |           | 83       |  |              |  |          |  |  |              |  |          |
|                   | 34                    |  |  | ĺ  |  |          |  |  |  | l              |     |           | 84       |  |              |  |          |  |  | L            |  |          |
|                   | 35                    |  |  |  |  |          |  |  |  |                | ] [ |           | 85       |  |              |  |          |  |  |              |  |          |
|                   | 36                    |  |  |  |  |          |  |  |  |                | ]   |           | 86       |  |              |  |          |  |  | L            |  |          |
|                   | 37                    |  |  |  | П  |          | Г  |  |  |                | 1 1 |           | 87       |  |              |  |          |  |  | Γ            |  |          |
|                   | 38                    |  |  |  | Г  |          |  | _  | _  |                | 1 1 |           | 88       |  |              |  |          |  |  | Γ            |  |          |
|                   | 39                    |  |  |  |  |          | Г  |  |  |                | 1 1 |           | 89       |  |              |  |          |  |  |              |  |          |
|                   | 40                    |  |  |  |  |          |  |  |  |                | 1 1 |           | 90       |  |              |  |          |  |  |              |  |          |
| _                 | 41                    |  | _  |  |  |          |  |  |  |                | 1 1 |           | 91       |  |              |  |          | _  |  |              |  |          |
|                   | 42                    |  | $\vdash$   |  |  |          |  |  |  |                |     |           | 92       |  |              |  |          |  |  |              | П  | П        |
|                   | 43                    |  | $\vdash$   |  |  | _        | <del> </del>                                       | _  | -  | -              | 1   |           | 93       | _  |              | -  |          |  |  |              |  | П        |
|                   | 44                    | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | ┰        | <del>                                     </del>   | <del>                                     </del> |  | i              |     |           | 94       | -  | <u> </u>     | <del>                                     </del> | Н        | Т  |  |              |  | М        |
|                   | 45                    | <del>                                     </del> | -  | $\vdash$   |  | H        |  | $\vdash$   | $\vdash$   | $\vdash$       |     |           | 95       |  | <u> </u>     | H  |          | Н  |  |              | $\vdash$   | Н        |
|                   | 46                    |  |  | $\vdash$   | Н  |          | İ  | i  | H  | Η-             | i   |           | 96       |  | $\vdash$     | H  |          | $\vdash$   | $\vdash$   | <del> </del> | <del> </del>                                     |          |
|                   | 47                    |  | $\vdash$   | $\vdash$   | $\vdash$   | Ι        | $\vdash$   |  | $\vdash$   | $\vdash$       | 1   |           | 97       | <u> </u>   |              | $\vdash$   | $\vdash$ | $\vdash$   | ┢  | $\vdash$     | <del>                                     </del> |          |
|                   | 48                    | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | ┼        | $\vdash$   | <del>                                     </del> | $\vdash$   | -              |     |           | 98       | -  | $\vdash$     | <del>  -  </del>                                 | -        | <del>                                     </del> | <del>                                     </del> | ├-           | <del>  -  </del>                                 | -        |
|                   | 49                    | H  | -  | $\vdash$   | ├  | +-       | <del>  -                                    </del> | -  | <del>                                     </del> |                | 1   | <b></b> _ | 99       | -  | <del> </del> | $\vdash$   | $\vdash$ | -  | ┢  | ├            | <del> </del>                                     | -        |
|                   | 50                    | ├─   | -  | -  | ├  | $\vdash$ | -  | <del> </del> —                                   | -  | <del>  -</del> |     |           | 100      | -  | ├            | $\vdash$   | $\vdash$ | $\vdash$   | <del>                                     </del> |              |  | -        |
|                   | 1 30                  | l  | <u> </u>   |  | <u> </u>   | Ь        | Ц  | Ь  | ــــــ   |                | ]   | L         | 100      | L  | l            | <u> </u>   | <u> </u> | <u> </u>   |  | L            | L  | ш.       |

| Cli         | aim  | Date         |                |              |  |              |  |          |  |          |
|-------------|--|--------------|----------------|--------------|--|--------------|--|----------|--|----------|
|             |  |              |                |              | ī  |              |  | $\neg$   |  |          |
| Final       | Original   |              |                |              |  |              |  |          |  |          |
|             | 101<br>102   |              |                |              |  |              |  |          |  |          |
|             | 102  |              |                |              |  |              |  | _        |  | _        |
|             | 103  |              | $\dashv$       |              |  |              |  |          |  | _        |
|             | 104  | -            | $\blacksquare$ | -            | _  | _            | _  | -        |  | -        |
|             | 103<br>104<br>105<br>106<br>107<br>108               |              |                |              |  |              |  | _        |  |          |
|             | 100.   |              |                | _            |  | _            |  |          |  |          |
|             | 107  | -            |                | -            | -  |              |  |          |  |          |
|             | 100  | -            |                | -            |  | -            |  |          |  |          |
|             | 110  | Н            |                |              |  |              |  | _        |  |          |
|             | 111  |              |                |              |  |              |  |          |  |          |
|             | 112  |              |                |              |  |              |  |          |  |          |
|             | 113  |              |                |              |  |              |  |          |  |          |
|             | 114  |              |                |              |  |              |  |          |  |          |
|             | 109<br>110<br>111<br>112<br>113<br>114<br>115        |              |                |              |  |              |  |          |  |          |
|             | 116<br>117<br>118<br>119                             |              |                |              |  | ·            |  |          |  |          |
|             | 117  |              |                |              |  |              | _  |          |  |          |
|             | 118  |              |                |              |  | _            | _  |          |  |          |
|             | 119  |              |                |              |  |              |  |          |  |          |
|             | 120  |              | _              |              |  |              | <u> </u>   |          |  |          |
|             | 121  |              | _              |              |  |              |  | _        |  | _        |
|             | 122  |              |                |              | -  |              | _  |          | _  | _        |
|             | 120<br>121<br>122<br>123<br>124<br>125<br>126<br>127 |              |                |              | $\vdash$   |              |  |          | _  |          |
|             | 124  |              |                |              |  |              | <u> </u>   |          |  |          |
| -           | 125  | -            |                | $\vdash$     |  |              | -  |          |  |          |
|             | 127  | -            | -              |              |  |              | -  |          |  |          |
|             | 128  |              |                | Н            |  |              | <u> </u>   |          |  | -        |
|             | 129  | _            |                |              |  |              | $\vdash$   |          | _  |          |
|             | 128<br>129<br>130                                    | _            |                |              |  |              |  | _        |  |          |
|             | 131  |              |                |              |  |              |  |          |  |          |
|             | 131<br>132   |              |                |              |  |              |  |          |  |          |
|             | 133<br>134   |              |                |              |  |              |  |          |  |          |
|             | 134  |              |                |              | <u> </u>   | L            |  |          | Ĺ  |          |
|             | 135  | $oxed{oxed}$ |                |              |  | <u> </u>     |  | <u>_</u> | <u> </u>   |          |
|             | 136  | $oxed{oxed}$ | <u> </u>       | _            |  | <u> </u>     | <u> </u>   |          |  |          |
| <u> </u>    | 137  |              | <u> </u>       | <u> </u>     |  | -            | <u> </u>   | <u> </u> | <u> </u>   | _        |
|             | 138  | $\vdash$     | <u> </u>       | <u> </u>     |  | <u> </u>     |  | <u> </u> | <u> </u>   | _        |
|             | 139  | -            | <u> </u>       |              | -  | -            |  |          | -  | -        |
|             | 140<br>141   | -            | <del> </del>   | ├            | <del> </del>                                     | <del> </del> |  |          | <del></del> -                                    | $\vdash$ |
|             | 142  |              |                |              | $\vdash$   | -            | -  | _        |  | -        |
|             | 143  |              |                | <del> </del> | <del>                                     </del> | -            | -  | $\vdash$ | -  | -        |
|             | 144  | $\vdash$     | $\vdash$       | $\vdash$     | $\vdash$   | -            | $\vdash$   | -        |  | $\vdash$ |
|             | 145  |              |                |              | $\vdash$   |              | <del>                                     </del> | -        | <del>                                     </del> | $\vdash$ |
|             | 146  |              |                | $\vdash$     | -  | ┞            | <del>                                     </del> | $\vdash$ | $\vdash$   |          |
| <b></b> -   | 147  |              | Г              | Г            |  |              | -  |          |  | İ        |
| <del></del> | 148  |              |                |              | 1  | Г            |  |          |  | Г        |
|             | 149  |              |                |              |  |              | 1  |          |  |          |
|             | 150  | Г            |                |              |  | Г            |  |          | Γ  |          |